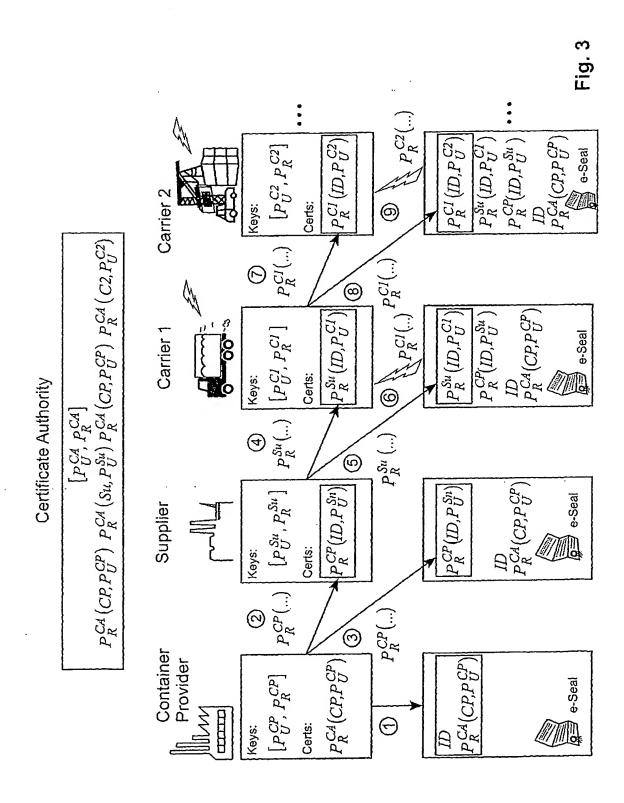


Fig. 2



4/5 Crypto support (pub key) Port of Rotterdam <u></u> ■ Non-volatile storage ■ (W)LAN connected Container w/ e-seal box (8) (4 (2) GPS (2) Container Non-volatile storage (W)LAN connected GPS beacon takes GPS reading every X min (2) Crypto support Stores received (and verified) GPS pulse Stores received (and verified) container ■ Container pings GPS beacon every Y Signs GPS reading ad distributes to containers (GPS pulse) 9 Container min by sending signature (ID, time) Monitors integrity of container (2) Container time-stamps Change of trustee-ship (E) pulse trace from GPS beacon Port authority retrieves GPS (2) Port authority can diff against GPS pulse trace from GPS beacon **NY Port authority** ■ E-seal contains GPS Container verifyable Container w/ E-seal box

pulse trace

8

GPS beacon

Tamper proof/evident

Change of trustee-ship (certificate exchange)

(certificate exchange)



